



16/814 788

1/R DAC #

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Patent of:

Jay Scott ANGLE et al.

ATTN: OFFICE OF PETITIONS

Patent Number: 7,214,516 B2

Issued: May 8, 2007

Atty. Docket No. 058501.00047

For: BACTERIAL EFFECTS ON METAL ACCUMULATION BY PLANTS

PETITION TO ACCEPT REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 37 C.F.R. 1.183

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

August 20, 2008

Sir:

Petition is herewith made, under 37 C.F.R. 1.183, to waive the requirements of 37 C.F.R. 3.81 and to accept the attached Request for Certificate of Correction under 37 C.F.R. 1.323 which was filed on August 16, 2007 and issue a certificate of correction for the above identified patent.

The Certificate of Correction is necessary to add the second assignee's name in the Assignee on the front page of the Patent. At the time of paying the Issue Fee, the second Assignee's name --United States of America as represented by the Secretary of Agriculture-- was inadvertently omitted through a good faith error without deceptive intent.

This correction is supported by the attached copies of Notice of Recordation of Assignment, which properly reflects the Assignees of record to be (1) University of Maryland and (2) United States of America as represented by the Secretary of Agriculture. It is requested that the requirements of 37 C.F.R. 3.81 be waived to permit the correct name of the Assignees to be provided after issuance of the patent, the filing of the attached Request for

08/21/2008 AWONDAF1 00000068 7214516

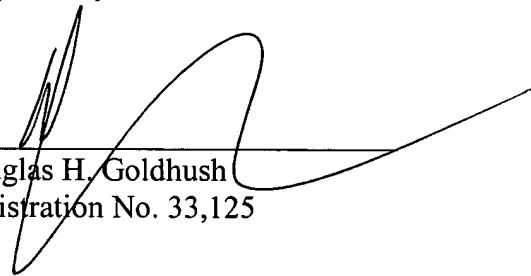
01 FC:1464

130.00 0P

Certificate of Correction under 37 C.F.R. 1.323 which was filed on August 17, 2007 be accepted and that a certificate of correction for the above identified patent be issued to correct this good faith error. A proper fee for this certificate of correction in the amount of One Hundred Dollars (\$100) was paid on August 16, 2007. We attach a copy of the check number 16914 for your reference.

A check for the necessary fee under 37 C.F.R. 1.17(h)(1) of One Hundred Thirty dollars (\$130.00) for this petition is attached herewith. Any additional fees which may be due with respect to this paper may be charged to Counsel's Deposit Account No. 50-2222.

Respectfully submitted,



Douglas H. Goldhush
Registration No. 33,125

Customer Number 32294
SQUIRE, SANDERS & DEMPSEY LLP
14TH Floor
8000 Towers Crescent Drive
Tysons Corner, Virginia 22182-2700
Telephone: 703-720-7800
Fax: 703-720-7802

DHG:kh

Enclosures: Copy of Request for Certificate of Correction/PTO-1050
Copy of Check No. 16914
Copies of Notice of Recordation of Assignment
Check No. 19444



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Patent of:

Jay Scott ANGLE, et al.

**ATTN: CERTIFICATE OF
CORRECTIONS BRANCH**

Patent Number: 7,214,516 B2

Issued: May 8, 2007

Atty. Docket No.: 058501.00047

For: BACTERIAL EFFECTS ON METAL ACCUMULATION BY PLANTS

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

August 16, 2007

Sir:

The undersigned requests that a Certificate of Correction be issued for the above-identified patent as indicated on the attached Form PTO-1050.

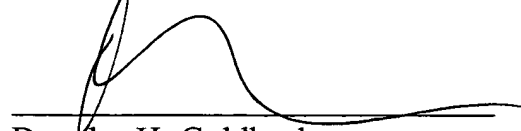
REMARKS

This request is being made in order to add the second assignee's name in the Assignee on the front page of the Patent. Applicants' Assignments which has been recorded in the United States Patent & Trademark Office at Reel 016854, Frame 0993 on October 6, 2005. It is respectfully submitted that no new matter has been added.

Enclosed is a check in the amount of One Hundred Dollars (\$100.00) to cover the fee for the Certificate of Correction.

In the event that there may be any other fees due with respect to the filing of this paper, please charge Counsel's Deposit Account No. 50-2222.

Respectfully submitted,



Douglas H. Goldhush
Reg. No. 33,125

Customer Number 32294

SQUIRE, SANDERS & DEMPSEY LLP

8000 Towers Crescent Drive, 14th Floor

Tysons Corner, Virginia 22182-2700

Telephone: 703-720-7800

Fax: 703-720-7802

DHG:kh

Enclosures: Check No. 16914; PTO Form 1050

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,214,516 B2

DATED : May 8, 2007

INVENTOR(S) : Jay Scott Angle, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Front Page of the Patent:

In Section (73):

Please add the second assignee's name and should read as follows:

-- United States of America as represented by the Secretary of Agriculture --

MAILING ADDRESS OF SENDER:

Customer No. 32294
SQUIRE, SANDERS & DEMPSEY L.L.P.
8000 Towers Crescent Drive, 14th Floor
Tysons Corner, Virginia 22182-2700

Patent No. 7,214,516 B2

No. of add'l. copies
@ 304 per page

**SQUIRE
SANDERS**

LEGAL
COUNSEL
WORLDWIDE

PTO ACCOUNT
TYSONS CORNER, VA 22182



Check Number

Date August 16, 2007

Amount ***** \$100.00

PAY: One Hundred Dollars and 00 Cents*****

To the
order of:

Payee: Commissioner of Patents and Trademarks

Vendor ID: 57741

Check # 16914

Check Date: 16-Aug-07

Invoice #	Invoice Date	Reference	Invoice Amount	Discount Taken	Payment Amount
TY16914	08/16/07		\$100.00	\$0.00	\$100.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00

TMKPR #	Disb Date	Disb ID	Disbursement Description	Client	Matter	Amount
08097	8/16/07	569	DHG/08-16/Certificate of correction	058501	00047	\$100.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00

CHECK TOTAL: \$100.00

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 06, 2005

PTAS

SQUIRE SANDERS & DEMPSEY L.L.P.
8000 TOWERS CRESCENT DRIVE, 14TH FLOOR
TYSONS CORNER, VIRGINIA 22182-2700***700216061A******700216061A***UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENTTHE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
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REFERENCED BELOW.PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 10/06/2005

REEL/FRAME: 016854/0993
NUMBER OF PAGES: 3BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 58501.00047

ASSIGNOR:

CHANEY, RUFUS L.

DOC DATE: 12/13/2004

ASSIGNOR:

VAN BERKUM, PETER

DOC DATE: 08/09/2004

ASSIGNEE:

UNITED STATES OF AMERICA AS
REPRESENTED BY THE SECRETARY OF
AGRICULTURE, THE
5601 SUNNYSIDE AVENUE
BELTSVILLE, MARYLAND 20705

016854/0993 PAGE 2

SERIAL NUMBER: 10814788

FILING DATE: 04/01/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: BACTERIAL EFFECTS ON METAL ACCUMULATION BY PLANTS

THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

10/06/2005
700216061Form PTO-1585
RECORDATION FORM COVER SHEET PATENTS ONLYU.S. Department of Commerce
Patents & Trademark OfficeAttorney Docket No. 58501.00047
Date: October 6, 2005

MAILSTOP ASSIGNMENT

To the Director of the U.S. Patent and Trademark Office
Please record the attached original documents or copy thereof

1. Name of conveying party(ies)

1) Rufus L. CHANEY; 2) Peter VAN BERKUM

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: The United States of America as represented by the
Secretary of AgricultureAddress: 5601 Sunnyside Avenue
Beltsville, Maryland 20705
United States of America

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): 1) December 13, 2004; 2) August 9, 2004

- | | |
|---|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Government Interest Assignment | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement | <input type="checkbox"/> Security Agreement |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License | |
| <input type="checkbox"/> Security Agreement | |
| <input type="checkbox"/> Other _____ | |

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
10/814,788

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Squire Sanders & Dempsey L.L.P.

Street Address: 8000 Towers Crescent Drive, 14th FloorTysons Corner, Virginia 22182-2700
Phone Number: (703) 720-7800
Fax Number: (703) 720-78026. Total number of applications and patents involved:
One

7. Total fee (37 CFR 1.21(h) & 3.41)..... \$ 40.00

☐ Included in attached Check No. _____☒ Any additional fees are authorized to be charged to
deposit account quoting our reference number
58501.000478. Counsel's Deposit account number: 50-2222
(Attach duplicate copy of this page if paying by
deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true
copy of the original document.Douglas H. Goldhush
Name of Person Signing
Reg. No. 33,126
SignatureOctober 6, 2005
Date

Total number of pages including cover sheet, attachments, and document: 3

C:\\$40.00 502222 10814788



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 12, 2006

PTAS

SQUIRE SANDERS & DEMPSEY L.L.P.
8000 TOWERS CRESCENT DRIVE, 14TH FLOOR
TYSONS CORNER, VIRGINIA 22182-2700



103187885A

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 10/06/2005

REEL/FRAME: 017611/0123

NUMBER OF PAGES: 10

BRIEF: CORRECTIVE ASSIGNMENT TO DELETE THE 3RD AND 4TH ASSIGNOR RUFUS L. CHANEY AND PETER VAN BERKUM PREVIOUSLY RECORDED AT REEL 015968 FRAME 0097. ASSIGNOR CONFIRMS THE ASSIGNMENT.

DOCKET NUMBER: 58501.00047

ASSIGNOR:

ANGLE, JAY SCOTT

DOC DATE: 03/16/2005

ASSIGNOR:

ABOU-SHANAB, REDA ABDELAZIZ

DOC DATE: 03/16/2005

ASSIGNEE:

MARYLAND, UNIVERSITY OF
6200 BALTIMORE AVENUE, SUITE 300
COLLEGE PARK, MARYLAND 20742-9520

SERIAL NUMBER: 10814788

FILING DATE: 04/01/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: BACTERIAL EFFECTS ON METAL ACCUMULATION BY PLANTS

017611/0123 PAGE 2

VIOLET MCCOY, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

03-0-2006

Form PTO-1595
RECORDATION FORM

103187885

MAILSTOP ASSIGNMENT
CORRECTIVE
REEL/FRAME: 015968/0097

FEB 24 2006

U.S. Department of Commerce
Patents & Trademark OfficeAttorney Docket No. 58501.00047
Date: October 6, 2005
Document ID NO.: 103099494To the Commissioner of Patents
Please record the attached original documents or copy thereof

1. Name of conveying party(ies)

1) Jay Scott ANGLE; 2) Reda Abdelaziz ABOU-SHANAB

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: University of Maryland

Address: 6200 Baltimore Avenue, Suite 300
College Park, Maryland 20742-9520
United States of America

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☐ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☒ Other Corrective, previously recorded at reel/frame 015968/0097.Please delete 3rd and 4th Assignor: Rufus L. Chaney and Peter Van Berkum

Execution Date: 1) March 16, 2005; 2) March 16, 2005

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
10/814,788

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Squire Sanders & Dempsey L.L.P.

Street Address: 8000 Towers Crescent Drive, 14th Floor

Tysons Corner, Virginia 22182-2700

6. Total number of applications and patents involved:
One

7. Total fee (37 CFR 3.41).....

☐ Included in attached Check No.☒ Any additional fees are authorized to be charged to deposit account number: 50-22228. Counsel's Deposit account number: 50-2222
(Attach duplicate copy of this page if paying by deposit account)

03/01/2006 DBYRNE 00000141 502222 10814788

01 FC:0021 (40.00 DA)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Douglas H. Goldhush
Name of Person Signing
Reg. No. 33,125
Signature 4/28/28February 24, 2006
Date

Total number of pages including cover sheet, attachments, and document: 12